# The Commonwealth of Massachusetts Executive Office of Health and Human Services Department of Public Health William A. Hinton State Laboratory Institute 305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK GOVERNOR

TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD

SECRETARY

JOHN AUERBACH

COMMISSIONER

3/2/2012

Andrius Knasas Assistant District Attorney Suffolk County District Attorney's Office

Dear ADA Knasas,

Enclosed is the information you requested in regards to items #

- 1. Curriculum Vitae for Hevis Lleshi and Kate Corbett
- 2.Drug Analysis Laboratory Receipt.
- 3. Control Cards with analytical results for samples
- 4. Analysis sheets with custodial chemist's hand notations and test results.
- 5.GC/Mass Spectral analytical data for samples #

Hevis Lleshi was the custodial chemist and performed preliminary testing and net weight for these samples. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for these samples.

If you have any questions about these materials, please call me at the number below.

Sincerely,

Ms. Hevis Lleshi Chemist I Drug Analysis Laboratory Jamaica Plain, MA 02130 (617) 983-6627

## Curriculum Vitae

## Hevis Lleshi

#### Education

Boston University School of Medicine – Master of Science, Forensic Science University of South Florida – Bachelor of Arts, Clinical Psychology

## Related Coursework

Forensic Chemistry • Forensic Toxicology • Forensic Pathology • Forensic DNA Analysis Organic / Analytical Chemistry • Forensic Biology • Biochemistry • Forensic Trace Evidence

## **Employment**

March, 2011 – Present Chemist I, Massachusetts Department of Public Health, Drug Analysis Laboratory

- Appointed Assistant Analyst by Assistant Commissioner of Public Health, June, 2011
- •Responsible for the identification of substances to determine violation of harmful and narcotic drug laws of the Commonwealth of Massachusetts
- Trained in the use of complex analytical instrumentation for the purpose of forensic drug analysis
- Notary Public

## Additional Training and Laboratory Experience

- Completed ten-week training course conducted by Laboratory Senior Staff within the Department of Public Health, Drug Analysis Laboratory, 2011
- GC and GC/MS training with Restek, 2011
- Instrumental Forensic Chemistry/Toxicology Laboratory, Boston University, 2009
- Serology/Bloodstain Pattern Analysis Techniques, Boston University, 2009

Internship, Massachusetts State Police—Marine Section, Boston, MA, 2008 – 2010

#### Associations

- American Academy of Forensic Sciences (AAFS)
- Boston University Forensic Science Society (BUFSS)

# Curriculum Vitae

## Kate A. Corbett

## **Education**

# Bachelor of Science Degree, CHEMISTRY May 2003

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

## **Employment**

Chemist II State Laboratory Institute (March 2008-Present)

Massachusetts Department of Public Health

**Drug Analysis Laboratory** 

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

## Chemist I State Laboratory Institute (2005-March 2008)

Massachusetts Department of Public Health

**Drug Analysis Laboratory** 

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

## Research Associate (September 2003 – August 2005)

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- > Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- > Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

## Intern (March 2003 - August 2003)

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

DRUG RECEIPT  District/Unit VSF/VK09	cc # BOOK # 15 \forall PAGE # 18 [		
Name & Rank of Arresting Officer BOR	GES	ID# 967	17
DEFENDANT'S NAME	ADDRESS	CITY	STATE
		LAB US	BE ONLY
DESCRIPTION OF ITEMS SUBMITTED	GROSS QUANTITY	GROSS WEIGHT	ANALYSIS NUMBER
CRACK COCAINE	# P/B	1.86	
CRACK COCAINE	1 8/3	1,840	
CRACK COCAINE  CRACK CICAINS	1 9/13	1,900	
	,		
•	-	,	
·			
To be completed by ECU personnel only  Name and Rank of Submitting Officer  Received by	Im og	ID#	0-11
	E	CU Control #	

Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB Cont: pb No. Cont: Date Rec'd: 07/06/2011 No. Analyzed: Net Weight: Ә. 기약 약 Gross Wt.: 1.86 #Tests: 6 Prelim: Gcaine (HLL) Findings: Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB No. Cont: Cont: pb Date Rec'd: 07/06/2011 No. Analyzed: Gross Wt.: 1.81 Net Weight: 〇. 12文 Prelim: Goine (Hu) Findings: Date Analyzed: City: Boston D.C.U. Police Dept. Officer: P.O. Diana Lopez Def: Amount: Subst: SUB No. Cont: Cont: pb Date Rec'd: 07/06/2011 No. Analyzed: Net Weight: O. 149 Gross Wt.: 1.90

Findings:

Prelim: Cocalne (HL)

# DRUG POWDER ANALYSIS FORM

SAMPLE#	GENCY_	Boston	ANALYST	HL
No. of samples tested:			Evidence Wt.	. OK.
PHYSICAL DESCRIPTION:			Gross Wt( ):_	0.2217.0
			Gross Wt ( ):	
	One pb	contoinin	Pkg. Wt:	0.19079
e	If cut	ite Subs	donce. Net Wt:	0.19070
C	One pi	iece of bob	ec	3
€	Size jucy	uded in e	ui'dence	
	bog.	•		
•		· · · · · · · · · · · · · · · · · · ·		•
PRELIMINARY TESTS Spot Tests		<u>M</u>	licrocrystalline Test	<u>5</u>
Cobalt Thiocyanate ( ) + cocok ( +	blue celo	cid Chlo	Gold ride+	
Marquis			TA (-) + co/	ocid
Froehde's			OTHER TESTS	•
Mecke's		**************************************		
+	·		· .	
		<del></del>		
PRELIMINARY TEST RESULTS	-	GC/MS	CONFIRMATORY 1	EST
RESULTS (Paine		RESUL		
DATE		M		
- afillalla		OPERATO	1/1/~~	· .
		DA.	те <u>21/6</u>	12012

# DRUG POWDER ANALYSIS FORM

SAMPLE# AG	ency Boston	ANALYST_	HLL
No. of samples tested:		Evidence Wt.	OK
PHYSICAL DESCRIPTION:		Gross Wt( ):_	0.14219
		Gross Wt ( ):_	<u>O</u>
One	e pb contolning	Pkg. Wt:	
0% 8()	white substitute place of pa	stance. Net Wt:	0.12028
OL:	so included in	•	
	<b>○</b> ′		
			•
PRELIMINARY TESTS Spot Tests	Δ	Mcrocrystalline Tests	
Cobalt Thiocyanate ( ) + weok/ + Wwe	catacid Chic	Sold oride	
Marquis	TI	LTA <u>( )</u>	
Froehde's		OTHER TESTS	· ·
Mecke's			<u> </u>
PRELIMINARY TEST RESULTS	GC/M:	S CONFIRMATORY T	EST
RESULTS Cocoine	RESUL	.ts Gain	0
DATE 2/11/2012	M OPERATO	IS IZO	
	DA	TE 2//6/	2012

# DRUG POWDER ANALYSIS FORM

SAMPLE#	_ AGENCY_B95	oten	ANALYST	HLL
No. of samples tested:	<u>.</u>	E	vidence Wt.	0 <u>k</u>
PHYSICAL DESCRIPTION:		Gros	ss Wt ( ):	0.21896
		Gros	ss Wf ( ):	
	One pb con	Holning	Pkg. Wt:	
	off white	notative.	رو Net Wt:	0.17900
	Of white One piece olso includence	of paper		3
	0/59 (n Clud	led in		
	evidence	p88.		
•				
			4	
		·		
PRELIMINARY TESTS Spot Tests		Microcr	<u>ystalline Tests</u>	
Cobalt Thiocyanale ( ) + cock   + b	plue w/aud	Gold Chloride	+	
Marquis	•	TLTA <u>( – </u>	·) + co/	مدنط
Froehde's		<u>0.1H</u>	ER TESTS	
Mecke's	<b>*</b>		*	4
		V-1		Philipsonson Management (
PRELIMINARY TEST RESULTS		GC/MS CONF	FIRMATORY TE	ST
RESULTS Cocalop		RESULTS	Cocoin	0
DATE 2/11/2012	·	MS OPERATOR	L'A	
		DATE	2/16/	2012

## Area Percent / Library Search Report

2/27/12 2/27/12

Information from Data File:

File Name : C:\msdchem\1\System7\02 14 12\817004.D

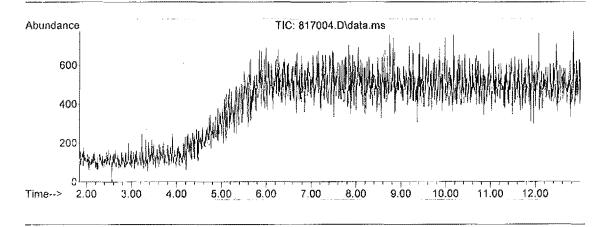
Operator : KAC

Date Acquired : 14 Feb 2012 14:50

Sample Name : BLANK

Submitted by

Vial Number : 1 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time

Area

Area

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Area Percent / Library Search Report

Information from Data File:

File Name : C:\msdchem\1\System7\02\_14\_12\817005.D

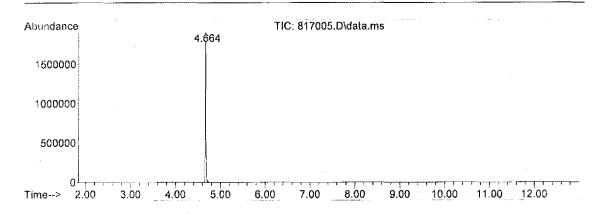
Operator : KAC

Date Acquired : 14 Feb 2012 15:06

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %
4.664		100.00	100.00

File Name : C:\msdchem\1\System7\02 14 12\817005.D

Operator : KAC

Date Acquired : 14 Feb 2012 15:06

Sample Name : COCAINE STD

Submitted by

Vial Number : 5 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

COCAINE

Minimum Quality: 85

000050-36-2

99

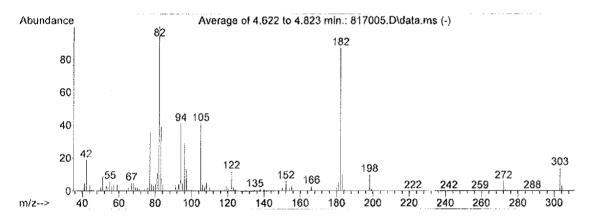
C:\Database\NIST05a.L

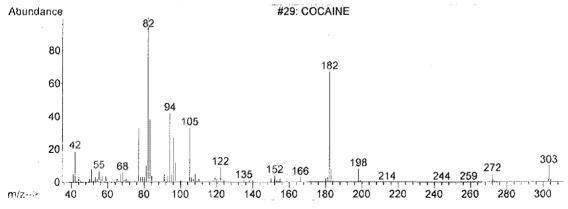
Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

1 4.66 C:\Database\SLI.L



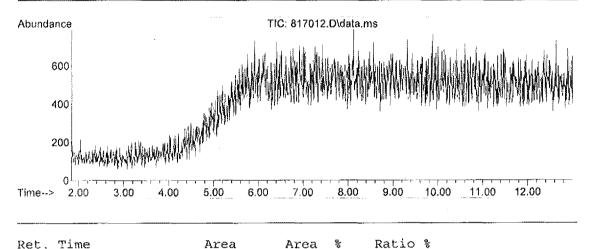


: C:\msdchem\1\System7\02\_14 12\817012.D File Name

Operator : KAC

Date Acquired : 14 Feb 2012 16:55

Sample Name : BLANK Submitted by : HLL Vial Number AcquisitionMeth: DRUGS.M : RTE Integrator



Ret, Time Area

\*\*\*NO INTEGRATED PEAKS\*\*\*

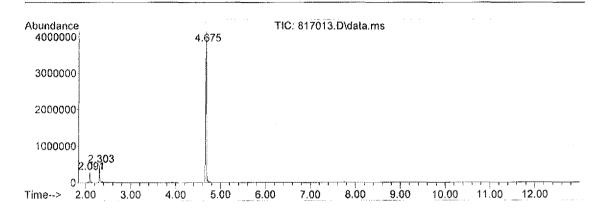
File Name : C:\msdchem\1\System7\02\_14\_12\817013.D

Operator : KAC

Date Acquired 14 Feb 2012 17:10

Sample Name Submitted by

: HLL Vial Number 13 AcquisitionMeth: DRUGS.M Integrator ; RTE



Area	Area %	Ratio %
302151 439472 6062830	4.44 6.46 89.10	4.98 7.25 100.00
	439472	439472 6.46

File Name : C:\msdchem\1\System7\02 14\_12\817013.D

Operator : KAC

Date Acquired 17:10

Sample Name

Submitted by HLLVial Number 13 AcquisitionMeth: DRUGS.M RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 85 Minimum Quality: 85

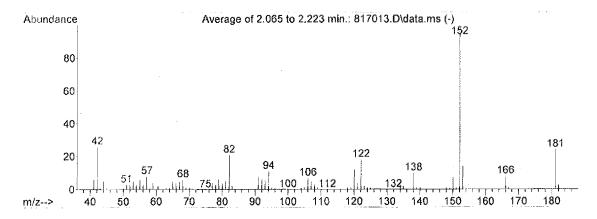
C:\Database\NIST05a.L

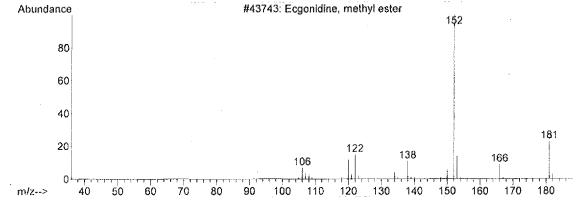
Benzeneethanamine, 3,4-dimethoxy-

C:\Database\PMW\_TOX2.L

CAS# PK# RT Library/ID Qual

2,09 C:\Database\NIST05a.L 1 127379-24-2 98 Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl 043021-26-7 97





000120-20-7

43

File Name : C:\msdchem\1\System7\02\_14\_12\817013.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:10

Sample Name : Submitted by : HLL Vial Number : 13

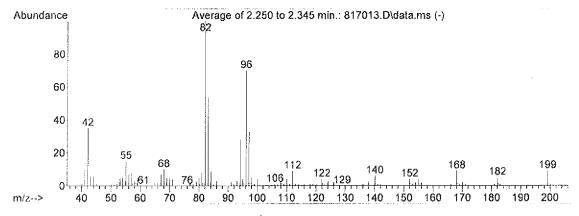
Vial Number : 13 AcquisitionMeth: DRUGS.M Integrator : RTE

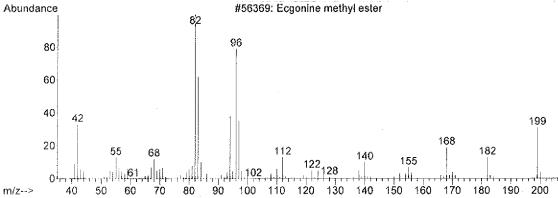
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\NIST05a.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.30	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1	98 97
		Pseudoecgonine methyl ester	099189-88-5	96





File Name : C:\msdchem\1\System7\02 14 12\817013.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:10

Sample Name :

Submitted by : HLL Vial Number : 13 AcquisitionMeth: DRUGS.M Integrator : RTE

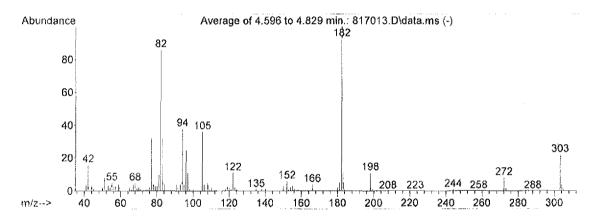
Search Libraries: C:\Database\SLI.L Minimum Quality: 85

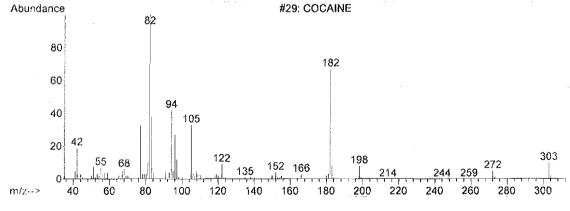
C:\Database\NIST05a.L Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK# RT Library/ID CAS# Qual

3 4.68 C:\Database\SLI.L COCAINE 000050-36-2 99



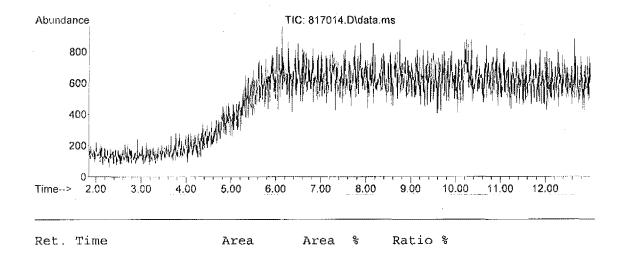


File Name : C:\msdchem\1\System7\02\_14\_12\817014.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:26

Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

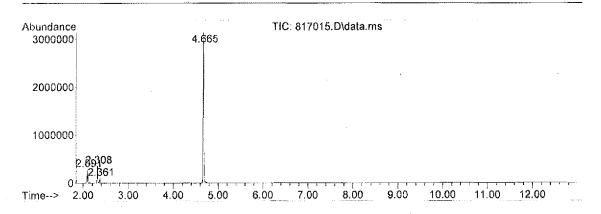
File Name : C:\msdchem\1\System7\02\_14\_12\817015.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:41

Sample Name

Submitted by : HLL Vial Number : 15 AcquisitionMeth: DRUGS.M Integrator : RTE



Ret. Time	Area	Area %	Ratio %	
2.091	278661	6.70	8.17	
2.308	359070	8.64	10,53	
2.361	110423	2.66	3.24	
4.665	3409068	82.00	100.00	•

File Name : C:\msdchem\1\System7\02 14 12\817015.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:41

Sample Name : Submitted by : HLL Vial Number : 15

Vial Number : 15 AcquisitionMeth: DRUGS.M Integrator : RTE

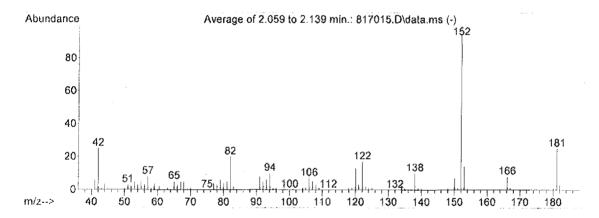
Search Libraries: C:\Database\SLI.L

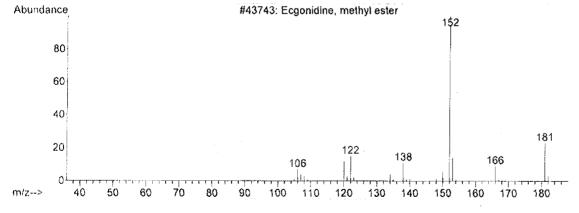
Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK♯	RT	Library/ID	CAS#	Qual
 1	2.09	C:\Database\NIST05a.L		
		Ecgonidine, methyl ester	127379-24-2	98
		2-Carbomethoxy-8-methyl-8-azabicycl	043021-26-7	97
		Benzeneethanamine, 3,4-dimethoxy-	000120-20-7	43





: C:\msdchem\1\System7\02 14 12\817015.D File Name

: KAC Operator

Date Acquired : 14 Feb 2012 17:41

Sample Name

Submitted by : HLL Vial Number 15 AcquisitionMeth: DRUGS.M : RTE Integrator

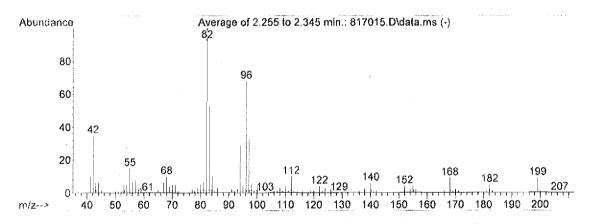
Search Libraries: C:\Database\SLI.L

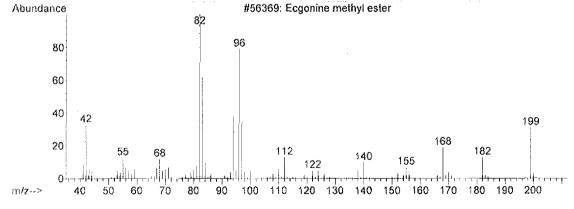
Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.31	C:\Database\NIST05a.L Ecgonine methyl ester	106293-60-1	98
		Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1	97 97





File Name : C:\msdchem\1\System7\02 14 12\817015.D

Operator KAC

Date Acquired 14 Feb 2012 17:41

Sample Name

Submitted by Vial Number 15 AcquisitionMeth: DRUGS.M Integrator : RTE

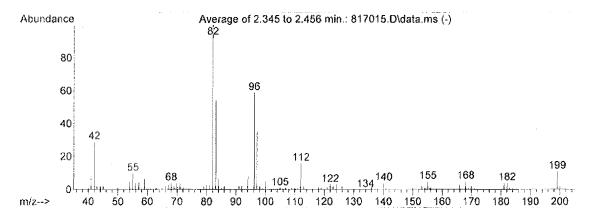
Search Libraries: C:\Database\SLI.L

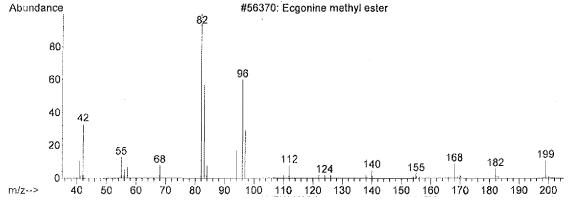
Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

C:\Database\PMW TOX2.L

PK	† RT	Library/ID	CAS#	Qual
3	2.36	C:\Database\NIST05a.L Ecgonine methyl ester Pseudoecgonine methyl este Ecgonine methyl ester	106293-60-1 r 099189-88-5 106293-60-1	94 94 90





File Name : C:\msdchem\1\System7\02\_14\_12\817015.D

Operator : KAC

Date Acquired 14 Feb 2012 17:41

Sample Name

Submitted by : HLL Vial Number 15 AcquisitionMeth: DRUGS.M Integrator RTE

Search Libraries: C:\Database\SLI.L

Minimum Quality: 85 Minimum Quality: 85

C:\Database\NIST05a.L

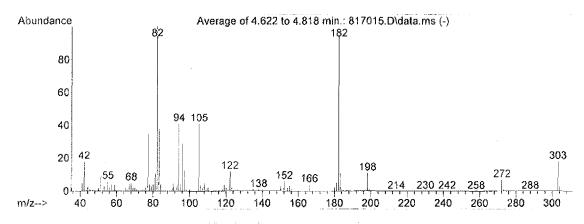
C:\Database\PMW TOX2.L

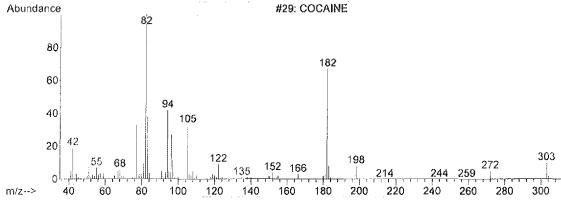
PK# RT Library/ID CAS# Qua1

4.66 C:\Database\SLI.L

COCAINE

000050-36-2 99



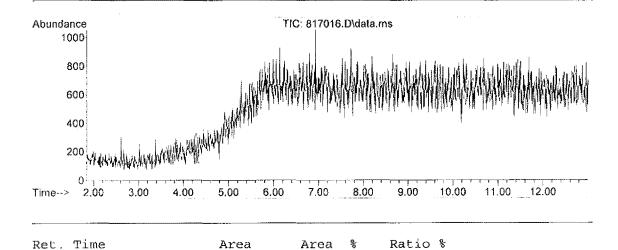


File Name : C:\msdchem\1\System7\02\_14\_12\817016.D

Operator : KAC

Date Acquired : 14 Feb 2012 17:57

Sample Name : BLANK
Submitted by : HLL
Vial Number : 1
AcquisitionMeth: DRUGS.M
Integrator : RTE



\*\*\*NO INTEGRATED PEAKS\*\*\*

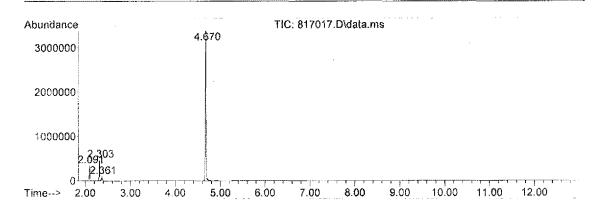
File Name : C:\msdchem\1\System7\02\_14\_12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name

Submitted by : HLL
Vial Number : 17
AcquisitionMeth: DRUGS.M
Integrator : RTE



Ret. Time	Area	Area %	Ratio %	·
2.091	343852	6.84	8.37	
2.303	455781	9.06	11.09	
2.361	119064	2.37	2.90	
4.670	4110325	81.73	100.00	

File Name : C:\msdchem\1\System7\02\_14\_12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name :

Submitted by : HLL Vial Number : 17 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

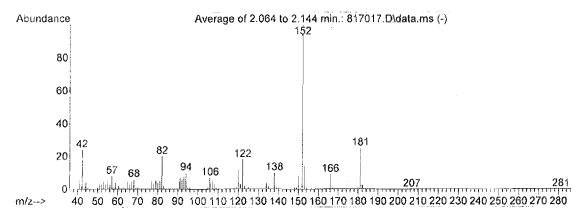
Minimum Quality: 85

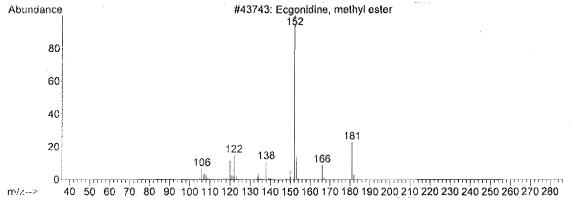
C:\Database\NIST05a.L

Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.09	C:\Database\NIST05a.L Ecgonidine, methyl ester 2-Carbomethoxy-8-methyl-8-azabicycl 3,5-Dimethoxyphenethylamine	127379-24-2 043021-26-7 003213-28-3	98 97 43





File Name : C:\msdchem\1\System7\02 14 12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13

Sample Name :

Submitted by : HLL Vial Number : 17 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

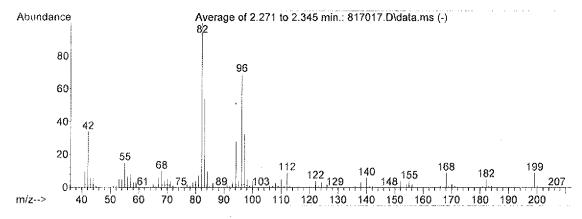
Minimum Quality: 85

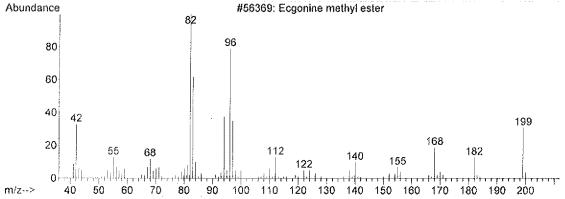
C:\Database\NIST05a.L

Minimum Quality: 85

C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.30	C:\Database\NIST05a.L Ecgonine methyl ester Ecgonine methyl ester Ecgonine methyl ester	106293-60-1 106293-60-1 106293-60-1	98 98 97





File Name : C:\msdchem\1\System7\02 14 12\817017.D

Operator : KAC

Date Acquired : 14 Feb 2012 18:13 Sample Name :

Submitted by : HLL
Vial Number : 17
AcquisitionMeth: DRUGS.M
Integrator : RTE

Search Libraries: C:\Database\SLI.L

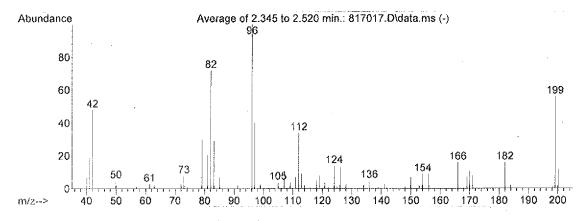
Minimum Quality: 85

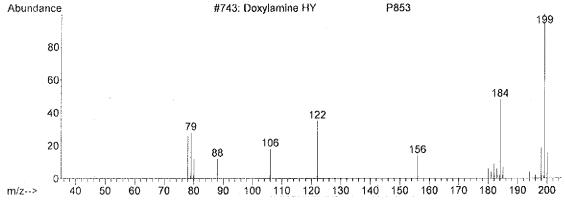
C:\Database\NIST05a.L

Minimum Quality: 85

C:	\Data	ıbase	\ PMW	TOX2.1	J

PK#	RT	Library/ID		CAS#	Qual
3	2.36	C:\Database\PMW_TOX2.L Doxylamine HY Phenothiazine Flurbiprofen	@	000000-00-0 000092-84-2 005104-49-4	9 7 4





File Name : C:\msdchem\1\System7\02 14 12\817017.D

KAC Operator

<u>1</u>8:13 Date Acquired 14

Sample Name

Submitted by HLL Vial Number 17 AcquisitionMeth: DRUGS.M : RTE Integrator

Search Libraries: C:\Database\SLI.L Minimum Quality: 85

C:\Database\NIST05a.L

Minimum Quality: 85

C:\Database\PMW TOX2.L

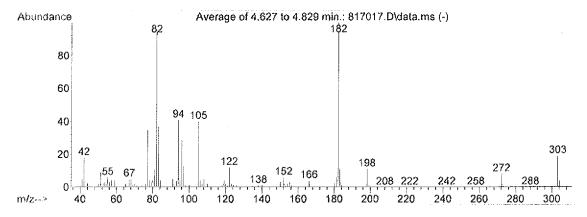
PK# RTLibrary/ID CAS# Qual

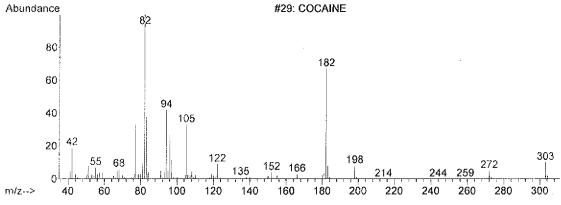
4.67 C:\Database\SLI.L

COCAINE

000050-36-2

99





File Name : C:\msdchem\1\System7\02 14 12\817027.D

Operator : KAC

Date Acquired : 14 Feb 2012 20:49

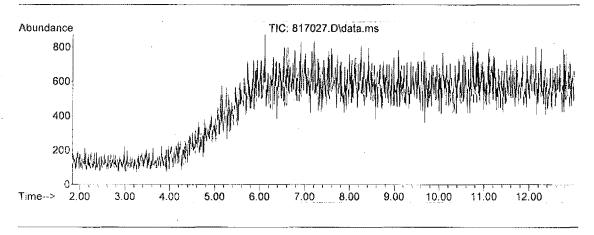
Sample Name : BLANK

Submitted by

Vial Number 1

AcquisitionMeth: DRUGS.M

Integrator : RTE



Ret. Time

Area

Area %

Ratio %

\*\*\*NO INTEGRATED PEAKS\*\*\*

: C:\msdchem\1\System7\02\_14\_12\817028.D File Name

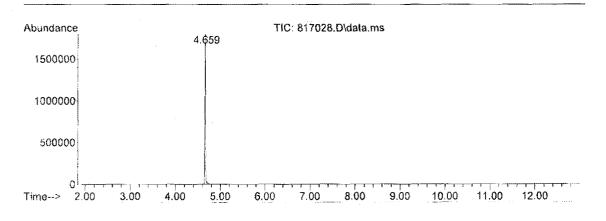
: KAC Operator

Date Acquired : 14 Feb 2012 21:05

Sample Name : COCAINE STD

Submitted by

; Vial Number 28 AcquisitionMeth: DRUGS.M : RTE Integrator



Ret. Time	Area	Area %	Ratio %
4.659	1771642	100.00	100.00

File Name : C:\msdchem\1\System7\02\_14\_12\817028.D

Operator : KAC

Date Acquired : 14 Feb 2012 21:05

Sample Name : COCAINE STD

Submitted by

Vial Number : 28 AcquisitionMeth: DRUGS.M Integrator : RTE

Search Libraries: C:\Database\SLI.L

\Database\SLI.L Minimum Quality: 85 \Database\NIST05a.L Minimum Quality: 85

99

C:\Database\NIST05a.L
C:\Database\PMW TOX2.L

PK# RT Library/ID CAS# Qual

1 4.66 C:\Database\SLI.L COCAINE 000050-36-2

